Certificate Number: 5010-00

California Type Evaluation Program
Certificate of Approval
for Weighing Devices

For:	Submitted by:
Indicating Element Digital Electronic Models: VC-505 and VC-501 n_{max}: 10 000 Accuracy Class: III/III L	Virtual Measurements & Control, LLC 1205 N. McDowell Blvd. Petaluma, CA 94954 Tel: (707) 781-9560 Fax: (707) 781-9564 Contact: Randall Green

Standard Features and Options

Automatic zero setting mechanism (AZSM)
Gross/net weight display
Semi-automatic zero (push-button)
Pound/kilogram unit conversion
Semi-automatic tare (push-button)
AC power supply
Printing capability
RS 232 communication port
Keyboard tare
Net weight accumulation
Alphanumeric liquid crystal display (LCD)
Category 1 method of sealing (see Sealing on Page 2)

Option: Model VC-505

Multiple tare memory registers (Model VC-505 only)

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: January 20, 2000

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Barbara J. Bloch, Director

Virtual Measurements & Control, LLC
Indicating Element
Models: VC-505 and VC-501

Application: General purpose indicating element when interfaced with a certified and compatible load receiving element.

Identification: The self-destructive identification badge is on the top of the device. Removal of the identification badge will display the word "VOID".

Sealing: A wire security seal may be threaded through a drilled hole screw and a tab on the bottom of the device. This prevents access to the calibration switch inside. Additionally, the device is equipped with Category 1 event counter. The event counter information can be accessed by pressing the "Select/Enter" key and "Tare" key to enter the "Menu" mode. Use the arrow key to scroll through the "Menu" until the word "Password" appears, then press the "Select/Enter" key. A_1 [nnn], A_2 [nnn], and "Enter Password" appears on the lower portion of the display. "A_1" represents calibration parameters, "A_2" represents configuration parameters, and "nnn" represents a number ranging from 001 to 999.

Test Conditions: The Model VC-505 indicating element was submitted for evaluation. The emphasis of the evaluation was on device design, operation, performance, and compliance with influence factor requirements. The indicator was interfaced with a load cell simulator and then tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The indicator was tested over a voltage range of 100 VAC to 130 VAC. Additionally, the indicator was interfaced with a load cell weighing element and printer to verify compliance with motion detection, momentary power loss, and zero function requirements.

Results of this evaluation and information provided by the manufacturer indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2000 Edition

Tested By: Samuel Chan (CA) and Gary Castro (CA)